

## 2001 Ford Focus & Ranger

Other models with DPFE (Differential Pressure Feedback EGR Sensor) valves may also be affected

Field reports find that a defective DPFE valve can cause a NO START/NO crank condition.

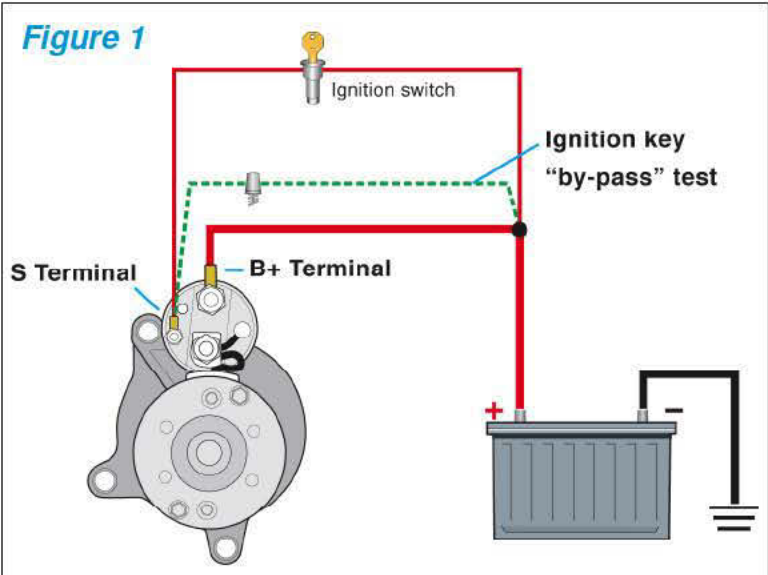
Under normal starting procedures, the starter will not crank when the ignition key is turned to the start position.

The DPFE valve communicates to the PCM (Powertrain Control Module) If the sensor shorts to ground internally and brings the reference voltage down to .1 volts, it will cause a no start/no crank condition.

**Figure 1**

**Check:** Ignition key off. Apply 12 volts directly to the S terminal (start wire); it is recommended to use a "by-pass" remote start switch for this test. The starter now cranks the engine.

**Possible cause:** Defective DPFE sensor (Differential Pressure Feedback EGR Sensor)



**Figure 2**

**Check:** Remove the negative battery cable for one minute. This will reset the computer reference and clear PCM short term memory.

If vehicle starts after clearing memory, there may be a problem with the DPFE sensor.

